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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

ORGAD, EDAN

ART UNIT PAPER NUMBER

2682

DATE MAILED: 02/28/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/626,023

Applicant(s)

NUMMINEN ET AL.

Examiner

Edan Orgad

Art Unit

2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 July 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Otsuka (US 5,670,950) in view of Windgren (WO 97/34437).

Regarding claims 1 and 4, Otsuka teaches an access control system for a wireless telecommunications system comprising: a first base station and a first site access control unit for storing access information for wireless terminals permitting such terminals to make calls at the first site by means of the first base station (fig. 1, element 11), serving a first site and operable as part of a first wireless telecommunications network (fig. 1, element 1); a second base station and a second site access control unit for storing access information for wireless terminals permitting such terminals to make calls at the second site by means of the second base station (fig. 1, element 21), serving a second site and operable as part of a second wireless telecommunications network (figure 1, element 2); a data link (element 4) of which use is restricted between the first site access control unit and the second site access control unit, whereby data may be transferred between the first site access control unit and the second site access control unit; and the first site access control unit comprising a database (element 13) for storing information for identifying the

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identities of wireless terminals whose access information is stored by the second site access control unit, whereby the first site access control unit can access the second site access control unit by means of the data link in order to permit such terminals to make calls at the first site by means of the first base station (col. 4, line 19- col. 5 line 10). However, Otsuka fails to specifically disclose the private communication network is a wireless communication network. However, in the same field of endeavor, Windgren teaches mobile telecom network having an integrated wireless office system where communications can take place between private fixed telephone network and the PLMN (page 3, line 10, page 5, line 22). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use Windgren's teachings of communications within a mobile telecom network having integrated wireless office system with Otsuka's existing private network communications scheme in order to reduce call cost and external networks fees associated with roaming since communications can be controlled with the office networks.

Regarding claim 2, Otsuka teaches the identities of the wireless terminals each comprise a number identifying a terminal and a corresponding second site link access control unit address (col. 5, lines 11-20).

Regarding claim 3, Otsuka teaches a database for storing identities of wireless terminals at the first site for permitting calls to such terminals made at the second site to be routed from the second site to the first site over the data link (col. 5, line 30- col. 6, line 39).

Regarding claim 5, Otsuka in view of Windgren fail to specifically disclose the database is in the form of a look-up table. However, official notice is taken that having a database in the form of a look-up table is well known in the art and therefore would have been obvious to one of ordinary skill in the art at the time the invention was made to use a look-up table with the already existing database in order to provide a more accurate and efficient way of browsing the database.

Regarding claim 6, Windgren teaches the access information for wireless terminals is in the form of an International Mobile Static Identity Code (page 10, lines 1-14).

Regarding claim 7, Windgren teaches the access information for wireless terminals is in the form of a Temporary Mobile Static n Identity Code for allowing the first site access control unit to access the International Mobile Station Identity Code (page 2, line 35- page 3, line 7).

Regarding claim 8, Otsuka teaches the access information is temporarily stored at the first site for enabling the said terminals to make calls at the first site by means of the first base station (col. 6, lines 1-49).

Regarding claim 9, Otsuka teaches the access control unit is operable to control network access for one or more wireless telecommunications networks (col. 4, lines 23-29).

Regarding claim 10, Windgren teaches that if a call made at the first or second site is not made to a wireless terminal of either the first or second site, the call is routed via an external wireless telecommunications network (page 15, line 19- page 16, line 21).

Regarding claim 11, Windgren teaches the external wireless telecommunications network is a GSM network (page 1, line 37).

Regarding claim 12, Otsuka teaches following the said temporary storage of access information, a cancellation procedure is performed to prevent calls to the said terminals being routed to the second site (col. 5, lines 51-54).

Regarding claim 13, Windgren teaches each site falls within the coverage area of a different GSM network (page 20, line 7- page 21, line 10)

Regarding claim 14, Windgren teaches the GSM networks permit roaming of terminals there between (page 11, line 8-31).


Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edan Orgad whose telephone number is 703-305-4223. The examiner can normally be reached on 8:00AM to 5:30PM with every other Friday off..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-308-6739. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Edan Orgad


February 23, 2003


2/24/03

**NGUYEN T. VO
PRIMARY EXAMINER**